

REMARKS

Response to the office action dated at 03/23/2004, the applicant decides to amend the original claim 2 into the new claim 3 so as to overcome the object of the citations. The new claim 3 is amended from the previous presented claim 2 so that the claim 3 present the object illustrated in Fig. 5 of the specification. Thereby, it is assured that the amendment of claim 3 is based on the original claim and thus no new matter is added. A details of the claims 3 is illustrated in the following remark which makes the Examiner can understand the claim 3 easily.

Claims 1-2 (Cancelled)

Claim 3. (new) A cable lock comprising:

a body 7 having a key hole 70 in a lower side, a fix hole 71 and an insert hole 72 spaced apart in an upper side, and a pin hole 73 in a vertical side communicating with the fix hole 71 for a fix pin 74 to fit firmly therein; the fix hole 71 and the insert hole 72 are at the side of the body;

a cable 3 combined with the body 7, having good flexibility to freely bend, and a tubular cover fits around and protects the cable 3, made up with plural metal rings 4 continually connected with one another; each ring 4 having one end formed with a round projection 41 and the other end formed with a curved recess 42, so the round projection of one ring is engaged with the curved recess 42 of another ring 4 located next to each other so as to make up the tubular cover; thus the tubular cover is flexible to bend freely together with the cable 3;

a fix bolt 5 attached with one end of the cable 3, and then fixed

firmly in the insert hole 71, having a hole 50 for receiving the cable 3
~~for one end of the cable 3~~ to fit firmly therein, and one end of the fixing
bolt being formed with a curved recess for receiving the round projection
41 of the ring 4 and an outer middle section of the fix bolt 5 being formed
with an annular groove 52 which has a flat annular bottom near the lower
end;

a removable bolt 6 attached with the other end of the cable 3, and inserted in or pulled out of the insert hole 72 of the body 7, having a hole 60 on an upper end for receiving one end of the cable 3 to fit firmly therein, and a round projection 61 for receiving ~~on~~ a lower end of ~~for~~ the curved recess 42 ~~to fit with~~ and an outer middle section of the removable
bolt 6 further having an annular groove 62 which has a flat annular
bottom and two sides of annular groove have an equal diameter; near the
upper end.

wherein in assembling, the metal rings are continually connected with one another around the cable 3, with the round projections 41 of one ring 4 engaging with the curved recess 42 of a neighboring ring 4; then insert one end of the cable 3 firmly in the hole 50 of the fix bolt 5, and subsequently press sidewise the fix bolt 5 to sandwich tightly the end of the cable 3 therein; next, insert the other end of the cable 3 in the hole 60 of the removable bolt 6, and press sidewise the removable bolt 6 to sandwich tightly the other end of the cable therein; thus, the tubular cover and the fix bolt 5 and the removable bolt 6 are secured with the cable; then the fix bolt is inserted in the fix hole 71 and insert the fix pin 74 in the lock hole 73, with the inner end of the fix pin 74 fitting in the annular groove 52 of the fix bolt 5 so that the fix bolt 5 may be secured in the body 7; thus the cable lock is finished in its assembly.

DISSCUSSION ABOUT THE NOVELTY OF THE PRESENT INVENTION

As those described in the previous amendment, we will discuss the novelty of new claim 3 based on the objection in the office action dated at 03/23/2005.

In this office action, we have further amended the claims 2 to the new claim 3 which have emphasize the structure disclosed in Fig. 5 of the present invention. In the following we discuss the details of the new claim 3 which make the claim 3 being a novel one.

(1) Referring to Fig. 5 and new claim 3 of the present invention, “an outer middle section of the removable bolt 6 further having an annular groove 62 which has a flat annular bottom and two sides of annular groove have an equal diameter”

The amendment of the removable bolt 6 makes the removable bolt 6 being different from the elements 28 to 31 in the citation USP 1,566,965. Thereby a pin can be inserted into the groove 62 for fix the removable bolt 6 in a predetermined position. The bolt (containing the elements 28 – 31 has no flat annular bottom. The design of the flat annular bottom makes the pin can be firmly fixed therein. The citation ‘964 has corresponding elements.

(2) Please see Fig. 5 of the present invention, the fix bolt 5 has a recess 51, a hole 50 and an annular groove 52. The recess 51, hole 50 and annular groove 52 are parts of the fix bolt 5.

Furthermore, in the new claim 3, we define that “an outer middle section of the fix bolt 5 being formed with an annular groove 52 which has a flat annular bottom”;

The amendment of the fix bolt 5 makes the removable bolt 5 being different from the elements 18 to 21 in the citation USP 1,566,965. Thereby a pin can be inserted into the groove 62 for fix the removable bolt 6 in a

predetermined position. The bolt (containing the elements 18 – 21 has no flat annular bottom. The design of the flat annular bottom makes the pin can be firmly fixed therein. The citation '964 has no corresponding elements.

(3) Furthermore, in the present invention, the holes 72, and 71 are at the same side of the body 7 and two ends of the chain 3 are inserted into the fix hole 72 and insert hole 71 at the same side of the body 7, but in the citations, USP 1,566,965 and USP1,394,259 are inserted into the lock body from different sides. From this points the citations SP 1,566,965 and USP1,394,259 are different from the present invention.

From above discussion, it is obvious that no elements like 5, 6 of the present invention is disclosed in the citation and in the present invention, two ends of the chain 3 are inserted into the fix hole 72 and insert hole 71 at the same side of the body 7, apparently, the fixing ways for fixing the chains in the three citations **are very different from the present invention.** No element like the present invention is taught.

Thereby, most of the claimed elements in the new claim 2 of the present invention is not disclosed by the citation, SP 1,566,965 and USP1,394,259 is not sufficient to object the novelty of the present invention.

RESULT

Since in above discussion, it is apparent that no prior art has the features of the present invention, especially in new claim 3. Furthermore, as we know that no other prior art has features of the present invention. Thus, the present invention is novel and inventive.

Applicant requests and authorizes Examiner to amend the claims of the present invention so that the claim and specification can match the requirement of U. S. Patent. Attentions of Examiner to this matter is

greatly appreciated.

Since in above discussion, it is apparent that no prior art has the features of the present invention, especially in new claim 2. Furthermore, as we know that no other prior art has features of the present invention. Thus, the present invention is novel and inventive.

It is now believed that the subject Patent Application has been placed in condition for allowance, and such action is respectively requested.

Respectfully submitted.

L I V M O
Dated: 04 / 16 /2005

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